AEROSPACE SYSTEMS CHANGE CONTROL within Systems Engineering

Objective:

-to ensure that "in-use" documentation is current, reflects the physical system, and that changes occur only via an approval process

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Approval Original signed on file

Associate Director for Research and Technology Competencies

Identify and categorize the need for a change

(see Note 1)

Technical Team

START

Yes Pre-approved change?

Analyze to
determine the
potential
solution(s),
impact(s) and
appropriate
procedure entry
point
(see Note 2)

Determine recommendations

Refer to activity's
Configuration
Management
Plan (CMP) to
select, complete
and submit the
Configuration
Change Request
(see Note 3)

General Information

The following records are generated by this procedure and should be maintained in accordance with CID 1440.7:

Configuration Change Request

General Note

This procedure applies to design, development, test, integration, deployment, and operation of deliverable or deployable aerospace systems, including items to be used in aeronautic or space flight and their ground support or flight critical test equipment.

Formal change control of design, design-related documents (e.g., requirements document), drawings, software and hardware does not begin until they are "baselined"

Definition

Baseline: A specification or product that has been reviewed, agreed upon, and that thereafter serves as the basis for further development and can be changed only through change control procedures.

For control of program or project level documents, see LMS-CP-1904, Program Office Change Control. For control of facilities, see LMS-CP-4710, Configuration Management for Facilities.

Other related procedures and policies:

- -LMS-CP-5529 Software Configuration Management Planning for Low-, High-, and Critical-Control Software
- -LAPG 5300.1 Space Product Assurance

Designated

Reviewers

Submit?

-LAPG 7910.16 Aviation Operations and Safety Manual

Configuration Manager

Following activity's CMP Review impact apply or confirm and feasibility to that a unique determine if the identifier exists on recommendations the CCR for will be submitted tracking purposes to the change and distribute to control body the designated (see Note 4) reviewers (see Note 3)

Yes

Note 3

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The Configuration Management Plan for the project/activity specifies the form of the Configuration Change Request (CCR). Each submittal includes pertinent redlined drawings, test results, and analysis to support the recommendation(s).

For designation of roles, form of the Configuration Change Request (CCR), configuration item identification and method of red lining, refer to the Configuration Management Plan for the project or activity.

Note 1

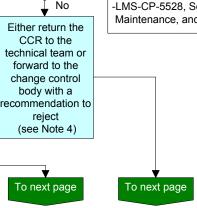
The following are categories of change:

- -Planned/routine change, no design change
- -Change as a result of a nonconformance resolution
- -Improvement/enhancement
- -Requirements change

Note 2

The potential solutions dictate the appropriate procedure to use and the entry point for preparing recommendations for submission to the Configuration Manager. Solutions may dictate one or more of the following procedures to control the change activity:

- -LMS-CP-5502, Systems Engineering Requirements Definition & Implementation Planning for Research Projects/Experiments
- -LMS-CP-5504, Aerospace Systems Design within Systems Engineering
- -LMS-CP-5506, Aerospace Systems Implementation, Testing and Integration within Systems Engineering
- -LMS-CP-5528, Software Planning, Development, Acquisition, Maintenance, and Operations



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interested parties